

## SBI CLERK PRE-MEMORY BASED 2019 (Question)

### Numerical Ability

**Directions (36-40):** What will come in the place of question mark (?) in the following number series:

36. 11, ?, 16, 21, 29, 41

- (a) 12
- (b) 14
- (c) 15
- (d) 13
- (e) 11

37. 1800, ?, 60, 15, 5, 2.5

- (a) 300
- (b) 600
- (c) 120
- (d) 240
- (e) 360

38. 4, 3, 4, 9, 32, ?

- (a) 75
- (b) 155
- (c) 125
- (d) 175
- (e) 165

39. ?, 100, 150, 375, 1312.5

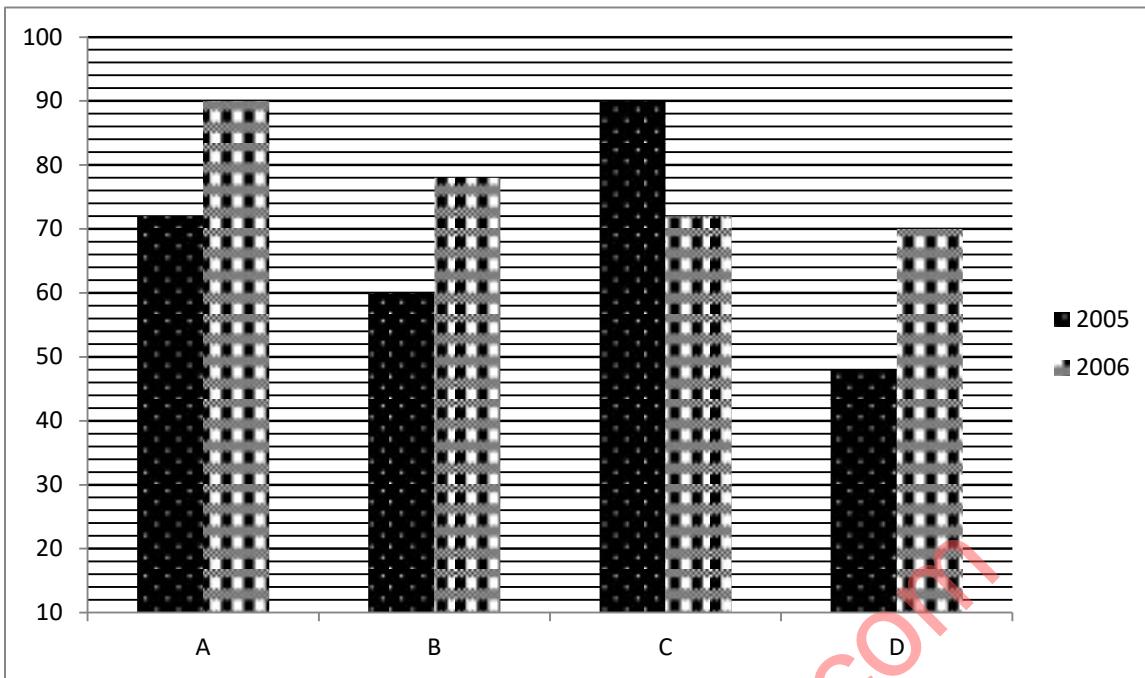
- (a) 50
- (b) 100
- (c) 75
- (d) 25
- (e) 200

40. 0, 6, 24, 60, ?, 210

- (a) 130
- (b) 170
- (c) 90
- (d) 120
- (e) 150

**Directions (41-45):** Study the bar chart given below and answer the following questions.

Bar chart shows the number of books read by 4 different persons (A, B, C & D) in 2005 and 2006.



41. Find average number of books read by A, C & D in 2005.

- 64
- 70
- 75
- 60
- 56

42. Find ratio of books read by B & C together in 2005 to books read by A & D together in 2006.

- 15 : 16
- 5 : 6
- 1 : 5
- 4 : 7
- 2 : 3

43. Books read by A & D together in 2005 are what percent more than books read by C in 2006?

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44. Books read by A & C together in 2005 are how much more or less than books read by B & D together in 2006?

- 24
- 14
- 18
- 22
- 28

45. Books read by B & C together in 2006 are what percent of books read by B in 2005?

- (a) 100%
- (b) 120%
- (c) 250%
- (d) 200%
- (e) 160%

**Directions (46-55):** - What will come in place of (?) question mark in the following questions?

46.  $\underline{\quad} = 200$

- (a) 120
- (b) 1.20
- (c) 12
- (d) 0.12
- (e) None of these

47.  $486 \div ? \times 7392 \div 66 = 1008$

- (a) 54
- (b) 55
- (c) 52
- (d) 53
- (e) 51

48.  $\underline{\quad} \text{ of } 4200 \div \sqrt{\underline{\quad}} = (\underline{\quad})^2$

- (a) 125
- (b) 225
- (c) 25
- (d) 5
- (e) 625

49.  $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

- (a) 1208
- (b) 1108
- (c) 1008
- (d) 1128
- (e) 1348

50.  $(0.05 \times 6.25) \div 2.5 = ?$

- (a) 12.55
- (b) 0.125
- (c) 0.115
- (d) 1.25
- (e) None of these

51.  $1496 \div 17 = ?\% \text{ of } 220$

- (a) 25
- (b) 40
- (c) 50
- (d) 75
- (e) None of these

52.  $(36\% \text{ of } 180) \div 0.4 = ?$

- (a) 160
- (b) 164
- (c) 166
- (d) 162
- (e) 180

53.  $0.08\% \text{ of } 55500 - 16.4 = ?$

- (a) 26.6
- (b) 28
- (c) 29.2
- (d) 30.4
- (e) 32

54.  $35\% \text{ of } 150 \times 16 = ? - 22$

- (a) 865
- (b) 932
- (c) 864
- (d) 862
- (e) None of these

55.  $(3080 + 6160) \div ? = 330$

- (a) 26
- (b) 22
- (c) 28
- (d) 29
- (e) 18

56. Difference of the compound interest received in first year and second year at 20% per annum at CI is Rs 1200 then find the sum?

- (a) Rs 25,000
- (b) Rs 36,000
- (c) Rs 35,000
- (d) Rs 24,000
- (e) Rs 30,000

57. Find the total distance covered by boat in each upstream and downstream in 7 hours if the speed of boat in still water and speed of current is 21 km/h and 3 km/h respectively?

- (a)
- (b)
- (c)
- (d)
- (e)

58. Ratio of income of A to that of B is 5:9. If expenditure of

A is  $\frac{1}{3}$ rd of his income and expenditure of B is  $\frac{1}{4}$ th of his income and sum of their saving is Rs 1950 then find the difference between their income?

- (a) Rs 900
- (b) Rs 1000
- (c) Rs 880
- (d) Rs 960
- (e) Rs 920

59. A alone can do a work in 12 days while A and B together can do that work in 7.5 days. Find the time taken by C alone to do that work if C takes 3 days more than that of B alone to do that work?

- (a) 33 days
- (b) 30 days
- (c) 23 days
- (d) 27 days
- (e) 28 days

60. Ratio of base and perpendicular side of a right-angled triangle is 3:4 and its base is equal to the side of a square having area  $81 \text{ cm}^2$ . Find the perimeter of the triangle?

- (a) 30 cm
- (b) 36 cm
- (c) 33 cm
- (d) 42 cm
- (e) 40 cm

**Directions (61-65):** In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and give answer

- (a) if  $x = y$
- (b) if  $x \neq y$
- (c) if  $x > y$
- (d) if  $x < y$
- (e) if  $x = y$  or no relation can be established between x and y.

61. I.  $x^2 - 13x + 40 = 0$   
II.  $2y^2 - y - 15 = 0$

62. I.  $5x^2 + 17x + 6 = 0$   
II.  $2y^2 + 11y + 12 = 0$

63. I.  $7x^2 - 19x + 10 = 0$   
II.  $8y^2 + 2y - 3 = 0$

64. I.  
II.

65. I.  $3x^2 - 7x + 4 = 0$   
II.  $2y^2 - 9y + 10 = 0$

66. A person travels half of the distance at the speed of  $x \text{ km/h}$  and remaining half of the distance at  $4x \text{ km/h}$ . Find the value of 'x' if the average speed is 36.8 km/h?

- (a) 21
- (b) 25
- (c) 24
- (d) 23
- (e) 20

67. A, B and C invested in a ratio of 7: 8: 5 in a business. They got an annual profit of Rs. 136800. If A and C withdrew their amount at the end of 3 months and 7 months respectively. Then find the difference between A and C's share of profit?

- (a) Rs. 12,600
- (b) Rs. 11,500
- (c) Rs. 13,500
- (d) Rs. 10,500
- (e) Rs. 13,000

68. Retailer sold one article at - profit and another at 100% profit. Find his overall profit percentage if the selling price of both the article is same?

- (a) 60%
- (b) 55%
- (c) -
- (d) 75%
- (e) -

69. A mixture has milk and water in the ratio 4: 1. When 50% of the mixture is taken out and replaced by 24 liters of water then the ratio of milk to water in the mixture becomes 1: 1. Find initial quantity of mixture.

- (a) 80 liters
- (b) 45 liters
- (c) 70 liters
- (d) 60 liters
- (e) 75 liters

70. 4 years ago, ratio of Shivam's age to Deepak's age was 2: 3 and ratio of Shivam's age 4 years ago to Deepak's age 5 years hence is 8: 15. Find present age of Shivam.

- (a) 32 years
- (b) 28 years
- (c) 40 years
- (d) 24 years
- (e) 36 years